

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: December 6, 2002, 23:33:11 : Search time 1527.5 seconds
(without alignments)
16188.980 Million cell updates/sec

Title: US-10-025-514-7

Perfect score: 1525

Sequence: 1 tctgacacatgctgtgaaag.....ccaactcagaagtgcgac 1525

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters: 32308132

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*

1: em_estba:*
2: em_esthum:*
3: em_estin:*
4: em_estmu:*
5: em_estov:*
6: em_estpl:*
7: em_estro:*
8: em_htc:*
9: gb_est1:*
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11: gb_htc:*
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17: gb_gss:*
18: em_gss_hum:*
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21: em_gss_vrt:*
22: em_gss_fun:*
23: em_gss_nam:*
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26: em_gss_pro:*
27: em_gss_rod:*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	433.2	28.4	2478	11	AF130068
2	431.6	28.3	2571	11	AF113676
3	331.6	21.7	1392	11	AK002537
4	318.8	20.9	1296	11	AK004999
5	309.8	20.3	887	14	BO643710
6	305.4	20.0	907	14	BO648909

7	289.6	19.0	895	14	BO653587
8	287	18.8	985	14	BM924019
9	285.2	18.7	982	14	BO646142
10	283.8	18.6	924	14	BO958958
11	274.8	18.0	1194	14	BM924813
12	273.4	17.9	907	14	BO650189
13	271.4	17.8	891	14	BO646948
14	270.4	17.7	959	14	BO648524
15	268	17.6	796	12	BO6567260
16	264.8	17.4	833	14	BO607663
17	264.8	17.4	991	14	BO6064738
18	263.8	17.3	917	14	BO650502
19	263.6	17.3	687	10	AV649258
20	263	17.2	916	14	BO644130
21	262	17.2	686	12	BO6569467
22	261	17.1	1012	14	BO6064473
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35	249	16.3	731	10	AV649144
36	248.8	16.3	804	12	BG618951
37	247.4	16.2	813	14	BO182052
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ALIGNMENTS

RESULT 1
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DEFINITION Homo sapiens clone FLB8226 PRO2209 mRNA, complete cds.
ACCESSION AF130068
VERSION AF130068.1 GI:11493442
KEYWORDS HTC.
SOURCE Homo sapiens.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 2478)
AUTHORS Zhang,C., Yu,Y., Zhang,S., Wei,H., Bi,J., Zhou,G., Dong,C., Zai,Y., Xu,W., Gao,F., Liu,M. and He,F.
TITLE Functional prediction of the coding sequences of 75 new genes deduced by analysis of cDNA clones from human fetal liver
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 2478)
AUTHORS Zhang,C., Yu,Y., Zhang,S., Wei,H., Bi,J., Zhou,G., Dong,C., Zai,Y., Xu,W., Gao,F., Liu,M. and He,F.
TITLE Direct Submission
JOURNAL Submitted (23-FEB-1999) Department of Experimental Hematology, Institute of Radiation Medicine, Beijing Taiping Road 27, Beijing, Beijing 100850, P. R. China
FEATURES
source Location/Qualifiers
1. .2478
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QY	478	CTAACATTTTTTTTAGTCTCTTCTATTGCCACTGCTTTGCGCATGTTGAGTTTAGGTA	537			
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QY	538	CTAAGCCGATACCCATGACGAGATTTTAGAGGTTTAAACTTTTAACTTTGACCGAATCC	597			
Db	1356	CCAAGGCTGACACTCAGATGAAATCTGTGGAGGCCGTGAATTTCAACCTCACGGAGTTTC	1415			
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Db	1776	TCCACGTGGACCGGTGACCCCGTGAAGTGCCTATGATGAAGCGGTTTAGCATGTTTA	1835			
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QY 464 TCAAGTAATTTACTAATCAATTTTTTTAGTCTGCTTTTCTATTTGCCACTGCTTTGCCAT 523
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QY 584 TTTGACCGAAATCCCAAGAGCCCAATTCACGAGGTTTTCAGAGTTGTTGAGAACTTT 643
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DEFINITION AGENCOURT_8342217 NIH_MGC_100 Homo sapiens cDNA clone IMAGE:6268225
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ACCESSION B0643710
VERSION B0643710.1 GI:21767882
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 887)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: CGAP (Stanford)
CDNA Library Preparation: Rubin Laboratory
CDNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)
Clone distribution: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LICM2439 row: n column: 02
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LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

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5', mRNA sequence.
BM924019
BM924019.1 GI:19374398
EST.
human.
Homo sapiens

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 985)
NIH-MGC http://mgi.nci.nih.gov/
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgaps-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
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female, 71 yo male colon; 46 yo male kidney, and pool of 2
stomachs, 62 yo male and 70 yo female. Library is
oligo-dT primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.4 kb,
insert size range 1-3 kb. Library is normalized and
enriched for full-length clones and was constructed by
Gruber (Invitrogen). Research Genetics tracking code
023. Note: this is a NIH_MGC Library."
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BASE COUNT
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Matches 519; Conservative 0; Mismatches 351; Indels 2; Gaps 2;

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QY 358 CTCAAAAACCGACACCATCATCAGACCAAGACCATCCGACTTTTATAAAATTAATC 417

Db 114 CCAGAAGACAGATACATCCACCATGATCAGATCAACCAACCTCAACAGATCACCC 173

QY 418 CAAATTTACCGAATTTGCTTTTCTTTATAGACAATTAAGTATCAATTAATCTA 477

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QY 478 CTAACATTTTTTTAGTCTCTGTTTCTATGTCACCTGCTTTCGCCATGTTAGTGA 537

Db 234 CCAATATCTTCTTCCCCAGTGAAGCATCGCTACAGCCTTTGCAATGCTCTCCCTGGGA 293

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QY 718 ACAATTTCTAGAAGACGCTCAAGAACTATATCATAGTAGGCTTTTACCGTTAAATTTTG 777

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QY 958 TTTATCTTTCATCACTACTACTGTCAAAGTTTCCATGATGAAAAGACTGGGTATGTCA 1017

Db 714 TCACGTGGACAGGTTGACCCCGTGAAGGCTGCTATGATGAAGGCTTTAGGCTATTTA 773

QY 1018 ATATTCAACATTTGCAAAAAATTAAGTTCTTGGTCTTATTAATGAATATTAGTAAAG 1077

Db 774 ACATCCAGCACTGTAAGAGCTGTTCCAGCTGGGTGCTGCTGATGAATACCTGGGCAATG 833

QY 1078 CTACTGCTAT-TTTTTTTTACCAGAGGTAAGTAAAGCTTCAACATTTTGAAGAAATGATTG 1136

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RESULT 9
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LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM

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BQ646142
BQ646142.1 GI:21770314
EST.
human.
Homo sapiens

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 982)
NIH-MGC http://mgi.nci.nih.gov/
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgaps-r@mail.nih.gov
Tissue Procurement: CGAP (Stanford)
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM2504 row: a column: 14

Mon Dec 9 12:50:53 2002

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 /note="Organ: liver; Vector: pOTB7; Site:1: XhoI; Site:2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."
 BASE COUNT 267 a 259 c 238 g 217 t 1 others
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 Query Match 18.7%; Score 285.2; DB 14; Length 982;
 Best Local Similarity 59.8%; Pred. No. 7.6e-63;
 Matches 496; Conservative 0; Mismatches 333; Indels 1; Gaps 1;
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 QY 1047 TGGGCTTTATTAAGTATTTAGTACGCTACTGCTATTTTTCCTACACAGCAA 1106
 Db 421 TGGGCTGCTGCTGAATTAACCTGGCAATGCGACGCGCATCTCTCTGCTGCTGATGAG 480
 QY 1107 GGTAAAGCTCAACATTTAGAGATGAGTTGACTCATGACATATTACTAAATTTTAGAG 1166
 Db 481 GGGAACTACAGACCTGGAAATGAACTACCCAGATATCATCACAAGTTCCTGGAA 540
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 Db 661 CCTCTCGGGGTACAGAGGAAGACCCCTGAGGCTCTCCAAGGCGGTGCATAAGGCTGT 720

QY 1346 CTTAACATATTGATGAAAGGGTACCGAGCGCCCGCGCTATGTTCTTGGAGCTATTCC 1405
 Db 721 GCTGACCATTCGACGAGAAGGACTGAAGCTGCTGGGCGCATGTTTTTGAAGACCATACC 780
 QY 1406 AATGAGCATTCACCACAGAGTTAAATTTAATAAACCATTCGTTTTTCTGCA 1455
 Db 781 CATGCTATATCCCCCGGAGGCGAGTTCACCAACCAACCTTTGCTCTCTTA 830
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 VERSION BQ958958.1 GI:22374436
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 924)
 NIH-MGC http://mgi.nci.nih.gov/
 National Institutes of Health, Mammalian Gene Collection (MGC)
 Unpublished (1999)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgabbs-remail.nih.gov
 Tissue procurement: DCTD/DTF
 cDNA Library preparation: Rubin Laboratory
 DNA Sequencing by: Agencourt Bioscience Corporation
 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
 http://image.llnl.gov
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 /lab_host="DH10B (phage-resistant)"
 /note="Organ: prostate; Vector: pOTB7; Site:1: XhoI; Site:2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."
 BASE COUNT 251 a 253 c 226 g 193 t 1 others
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 Best Local Similarity 58.4%; Pred. No. 1.7e-62;
 Matches 513; Conservative 0; Mismatches 363; Indels 2; Gaps 1;
 QY 408 AAAATTAATCTCAAAATTTAGCCGAATTTGCTTTTCTTTGATATAGACAATTAAGCTATCAA 467
 Db 2 AAGATCACCCCAACCTGGCTGAGTTGCGCTTACGCTATATACCCGCGCTGGCACACAG 61
 QY 468 AGTAATCTACTAACAATTTTTTTAGTCTCTTTCTATTGCGCACTGCTTTCGCCCATTTG 527
 Db 62 TCCACAGACCAATATCTCTTCTCCCGAGTGAGCATCGCTACAGCCTTTTGCATGCTC 121
 QY 528 AGTTTAGTACTAAAGCGGATACCATGACGAGATTTTAGAAGGTTTAAACTTTTAATTTG 587
 Db 122 TCCCTGGGACCAAGGCTGACACTCACATGAATCTCGGAGGCGCTGAATTTCAACCTC 181
 QY 588 ACCGAAATCCCAAGAGCCCAATTCACAGGAGTTTCAAGAGTTGTTGAGAACTTTGAT 647

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Db 182 ACGGAGATTCCGGAGGCTCAGATCCATGAAGCTTCCAGGAACTCCTCCGTACCCCTCAAC 241
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Db 242 CAGCAGACAGCAGCTCAGCTGACCCAGCATGGCTGTTCTCAGCGAGGGCGCTG 301
Qy 708 AATTGGTTCACAAATTCCTAGAACGCTCAAGAACTATATCATAGTAGGCTTTTACC 767
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Qy 768 GTTAATTTTGGTGATCTCAGAACGCTTAAAGACAAATTAATGATATTGTTGAAAGGC 827
Db 362 GTCACTTCGGGACACCCAGAGGCCAAGAAACAGATCAACGATTACGTGGAGAGGGT 421
Qy 828 ACCAGGGTAAGATCTGACCTAGTTAAAGAAATTAGATCGTGATACCGTCTTCGCACTA 887
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Qy 1128 AATGATGTGACATCATGATTAATAATTTTAAAGAGAGAGGATCGTGTAGCG 1185
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Qy 1186 CTCTCTGACCTGCCAAAGTTAAGTATCACCGGTACTTACGACTTAAATCTGTTTAG 1245
Db 782 CCACCTTACATTTACCAAACTGTCCATTACTGGAACATATGATCTGAAGAGCGTCTG 841
Qy 1246 GCAGTGTAGGTATACCAAGCTTTTCTAAGGTGCC 1283
Db 842 GTCAACTGGGATCACTAAGGTCTTCAGCAATGGGGGC 879

RESULT 11
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ACCESSION
  BM924813
VERSION
  BM924813.1 GI:19375192
KEYWORDS
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SOURCE
  human.
ORGANISM
  Homo sapiens
  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
  Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
  (bases 1 to 1194)
  NIH-MGC http://mgi.nci.nih.gov/
  National Institutes of Health, Mammalian Gene Collection (MGC)
  Unpublished (1999)
  Contact: Robert Strausberg, Ph.D.
  Email: csapbs-remail.nih.gov
  Tissue Procurement: Life Technologies, Inc.
  cDNA Library Preparation: Life Technologies, Inc.
  cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
  DNA Sequencing by: Agencourt Bioscience Corporation
  Clone distribution: MGC clone distribution information can be
  found through the I.M.A.G.E. Consortium/LLNL at:
  http://image.llnl.gov
  Plate: LLAM12809 row: J column: 20

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        /clone_lib="NIH_MGC_116"
        /lab_host="DH10B"
        /note="Organ: pooled colon, kidney, stomach; Vector:
        pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA
        source anonymous pool of 3 colons, age 26 yo male, 49 yo
        female, 71 yo male colon; 46 yo male kidney, and pool of 2
        stomachs, 62 yo male and 70 yo female. Library is
        oligo-dr primed and directionally cloned (EcoRV site is
        destroyed upon cloning). Average insert size 1.4 kb,
        insert size range 1-3 kb. Library is normalized and
        enriched for full-length clones and was constructed by C.
        Gruber (Invitrogen). Research Genetics tracking code
        023. Note: this is a NIH_MGC Library."
BASE COUNT      321 a  303 c  328 g  242 t
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Query Match      18.0%; Score 274.8; DB 14; Length 1194;
Best Local Similarity 61.2%; Pred. No. 4e-60;
Matches 444; Conservative 0; Mismatches 282; Indels 0; Gaps 0;

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Db 1012 TGTTCAATATTTCAACATTTGCAAAAATTAAGTTCTTGGGCTTTATTAATCAAGTATTAG 1071
Qy 1072 GTACGCTACTGCTATTTTTTTTTTACCAGCAAGGTAAGCTTCAACATTTTAGAAGT 1131
Db 1072 GTACGCTACTGCTATTTTTTTTTTACCAGCAAGGTAAGCTTCAACATTTTAGAAGT 1131
Qy 1132 AGTTGACTCATGACATTTACTAAATTTTGTAGAACAGGAGGATCGTCTGAGCGCTTCTC 1191
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Db 1312 CATTAATAATTTGAGTAAAGCTGTTTCAACAAAGCCGCTTTAACTATTGATGAAGGCTACCG 1371
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Qy 1432 TTAATAAACCATTCGTTTCTGATGATCGAGCAACACTTAAAGCCCATTTGTTATGG 1491
Db 1432 TTAATAAACCATTCGTTTCTGATGATCGAGCAACACTTAAAGCCCATTTGTTATGG 1491
Qy 1491 TTAATAAACCATTCGTTTCTGATGATCGAGCAACACTTAAAGCCCATTTGTTATGG 1491
Db 1491 TTAATAAACCATTCGTTTCTGATGATCGAGCAACACTTAAAGCCCATTTGTTATGG 1491

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Mon Dec 9 12:50:53 2002

Qy 1492 GTAAGG 1497

Db 727 GAAAG 732

RESULT 12

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

B0650189 907 bp mRNA linear EST 15-JUL-2002
AGENCOURT_8298326 NIH_MGC_100 Homo sapiens cDNA clone IMAGE:6269613
5', mRNA sequence.

B0650189

BQ650189.1 GI:21774361

EST.

human.

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 907)

NIH-MGC http://mgi.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-remail.nih.gov

Tissue Procurement: CGAP (Stanford)

cDNA Library Preparation: Rubin Laboratory

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Agencourt Bioscience Corporation

Clone distribution: MGC clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLCM2443 row: g column: 22

High quality sequence stop: 650.

Location/Qualifiers

1..907

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/clone="IMAGE:6269613"

/clone_lib="NIH_MGC_100"

/tissue_type="hepatocellular carcinoma, cell line"

/note="Organ: liver; Vector: pOTB7; Site_1: XhoI; Site_2:

EcoRI; cDNA made by oligo-dT priming. Directionally cloned

into EcoRI/XhoI sites using the following 5' adaptor:

GCACGAG(G). Size-selected >500bp for average insert size

1.8kb. Library constructed by Ling Hong in the laboratory

of Gerald M. Rubin (University of California, Berkeley)

using ZAP-cDNA synthesis kit (Stratagene) and Superscript

II RT (Life Technologies). Note: this is a NIH_MGC

Library."

BASE COUNT 245 a 237 c 226 g 198 t 1 others

ORIGIN

Query Match 17.9%; Score 273.4; DB 14; Length 907;

Best Local Similarity 59.4%; Pred. No. 8.4e-60;

Matches 498; Conservative 0; Mismatches 337; Indels 3; Gaps 2;

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Db 7 CAGCTCCAGCTGACCCGCAATGGCTGTCTCTCAGCAGGCGCTGAAGCTAGTGGAT 66

Qy 720 AAATTCTCTAGAACGCTCAAGAACTATATCATAGTCAGGCTTTACCGTTAATTTGGT 779

Db 67 AAGTTTGGAGAGTGTTAAAGAGTTGTACCACCTCAGAAGCCTTCACTGTCAACTTCGG 126

Qy 780 GATACCTAGGAGCTAAAGCAATTAATGATTATGTTGAGAAGGCCACCCAGGTAAG 839

Db 127 GACACCGAAGAGGCCAAGAAACAGATCAACGATTACGTGGAGAAGGGTACTCAAGGAAA 186

Qy 840 ATCGTTGACCTAGTTAAAGATTTAGATCGTGATACCGTCTTCGCACCTAGTTAATATATT 899

Db 187 ATTGTGGATTGGTCAAGAGCTTGACAGACACAGTTTGTCTGCTGGTGAATACATC 246

Qy 900

Db 247

Qy 960

Db 307

Qy 1020

Db 367

Qy 1080

Db 427

Qy 1140

Db 487

Qy 1200

Db 547

Qy 1260

Db 607

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Db 667

Qy 1380

Db 726

Qy 1438

Db 786

RESULT 13

BQ646948

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

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sflii (ggccgctggcc): Site 2: sflii (ggccattatggcc): 5' and 3' adaptors were used in cloning as follows: 5' adaptor sequence: 5'-CACGGCATTATGGCC-3', and 3' adaptor sequence: 5'-ATTCTAGAGCGCGGCGGCACATG-dt(30)BN-3' (where B = A, 85 C, or G and N = A, C, G, or T). Average insert size 1.85 kb (range 1.0-4.0 kb). 15/15 colonies contained inserts by PCR. This library was enriched for full-length clones and was constructed by Clontech Laboratories (Palo Alto, CA). Note: this is a NIH-MGC Library.*

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Best Local Similarity 60.0%; Pred. No. 2e-58;
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QY 439 TTTCTTTGTATAGACAATTTAGCTCATCAAAAGTAATTTCTACTACATTTTCTTTAGTCTCTG 498
DB 61 TCAGCCCTATACCGCCAGCTGGCACACCCAGTCCACACAGCACCAATATCTTCTTCCCCAG 120
QY 499 TTTCTATTGCCACTGCTTTCCGCATGTTGAGTTTAGTACTTAAAGCGGATACCCCATGACG 558
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QY 559 AGATTTTGAAGGTTTAAACCTTTTAAATTTGACCGAAATTTCCAGAAAGCCCAATTTACAGAG 618
DB 181 AATCTCTGGAGGCTGAATTTCAACCTCAGGAGATTTCCGGAGGCTCAGATCATGAAG 240
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QY 679 GTAACGGTTTATTTTGTCTGAAGGTTTAAATTTGGTTGACAAATTTCTTGAAGACGCTCA 738
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QY 919 AACGCTCTTTCGAGGTTAAAGATCTGAAGAGGAAGATTTTCATGTTGATCAAGTTACTA 978
DB 540 AGAGACCCCTTTGAAGTCAAGGACACCCGAGGAGAGGACTTCCAGCTGGACCGAGTGACCA 599
QY 979 CTGTCAAGTTTCAATGATGAAGACCTGGGTATGTTCAATATTTCAACATTTCAACATTTG 1038
DB 600 CCGTGAAGTGCTTAATGAAGAGCTTTTAGGCATGTTTAAACATCCAGCAGCTGTAAGAAGC 659
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DB 660 TGTCCAGCTGGGTGCTGCTGATGAATACCTGGCAATGGGCAACCCGATCTTCTTCTCCG 719
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DB 720 CTGATGAGGGAAATTTACAGCACCTGGTAACATGAATCAACCCA-GATATCATCACCAAGT 778
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DB 779 TCTTGGAAGAACTGAGACC 796

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QY 1289 GAGTGTGTTTACTGAAGAAGCTCC 1312
DB 781 CCCCGGGGTCACAGAGAACGCC 804

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VERSION BG567260.1 GI:13574913
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SOURCE human.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 796)
NIH-MGC <http://mgi.nci.nih.gov/>,
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cyaphs@mail.nih.gov
Tissue Procurement: CLONTECH Laboratories, Inc.
cDNA Library prepared by: The I.M.A.G.E. Consortium (LLNL)
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
Plate: LLCMI583 row: b column: 11
High quality sequence stop: 730.
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FEATURES
source

Mon Dec 9 12:50:53 2002

us-10-025-514-7.rst

Page 15

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Job time : 1545.5 secs



